

## ABSTRACT

The plenum of an engine air manifold, coupled to engine cylinders, is provided with a fuel injector. A solenoid prevents supply of fuel to the plenum fuel injector during normal operation of the engine. Upon failure of the primary fuel system, solenoid opens to provide a fuel/air mixture via the manifold, to the engine cylinders, converting the manifold from a dry manifold to a fuel/air mixture manifold. The fuel bus of the primary fuel system preferably receives fuel from, and returns fuel to, a header tank, rather than directly from and to one or more fuel tanks.

5